Switch with IEC Connector Compact Size

C Series

Electronics

≣ Tyco



UL Recognized CSA Certified **VDE** Approved

C Series

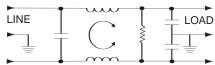
Two function power entry module combining a DPST switch and an IEC 320 power line connector. Compact packaging allows a smaller panel cutout with choice of snap-in or flange mounting. Available with general purpose filtering (F models - CFS, CFE), medical application filtering (H models - CHS, CHE) or unfiltered (CS, CE). Terminals allow for easy connection to any wiring scheme. Preconnected terminals from line to switch are available (B Models - CBS, CBE) for reducing OEM wiring time.

The medical versions (H models) are designed specifically for health care applications. Their extremely low leakage current allows compliance with UL544 and UL2601 as well as CSA22.2 health care specifications for use with both patient and non-patient care equipment. For more information on UL544 or UL2601, see Appendix C.

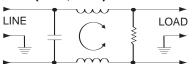
Note: When using the models with an IEC connector, remember that the leakage current of the companion line cord, GA400, is more significant than that of the filter which may disqualify this line cord from use in patient care applications.

Electrical Schematics

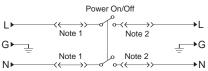
F Models (CFS, CFE)



H Models (CHS, CHE)



B Models (CBS, CBE)



Note 1: Jumpers provided on CBS and CBE versions only. Note 2: Location of optional filter

Resistor location for reference only.



CFS

†Applies to Filtered models only.

Specifications

Maximum leakage current, each line to ground: †

| 0 | | |
|--|----------|--|
| | F Models | H Models |
| @120 VAC 60 Hz: | .25 mA | 2 µA |
| @250 VAC 50 Hz: | .40 mA | 5 µA |
| Hipot rating (one minute): line-to-ground line-to-line | | 2250 VDC 1450 VDC |
| Operating frequency: | | 50/60 Hz |
| Rated voltage: | | 250 VAC |
| Operating voltages: | | 115/230 VAC |
| Switch: | for 10 | -insulated rated ,000 operations at full load. rush capability. |
| Unfiltered Push-on Force: | | 18 lb/80 N |

Minimum insertion loss in dB: ound in EO ohm

| Current | Frequency MHz | | | | | | | |
|----------|---------------|------|-----|----|----|----|----|---|
| Rating | 0.05 | 0.15 | 0.5 | 1 | 5 | 10 | 30 | |
| F Models | | | | | | | | _ |
| 1A | 10 | 26 | 46 | 48 | 46 | 47 | 46 | |
| 3A | 8 | 16 | 32 | 36 | 43 | 48 | 50 | |
| 6A | 4 | 11 | 22 | 27 | 36 | 41 | 50 | |
| 10A | 1 | 4 | 14 | 18 | 27 | 33 | 42 | |
| H Models | | | | | | | | |
| 1A | 16 | 21 | 37 | 44 | 26 | 21 | 10 | |
| 3A | 9 | 14 | 31 | 32 | 26 | 24 | 14 | |
| 6A | 4 | 10 | 22 | 23 | 19 | 18 | 13 | |
| 10A | 2 | 6 | 10 | 15 | 11 | 11 | 9 | |

| Line-to-line in 50 ohm circuit Current Frequency MHz | | | | | | | |
|--|------|------|-----|----|----|----|----|
| Rating | 0.05 | 0.15 | 0.5 | 1 | 5 | 10 | 30 |
| F Models | | | | | | | |
| 1A | 1 | 3 | 13 | 28 | 62 | 67 | 42 |
| 3A | 2 | 6 | 14 | 23 | 65 | 65 | 67 |
| 6A | 2 | 6 | 14 | 27 | 46 | 48 | 58 |
| 10A | 1 | 7 | 14 | 23 | 42 | 44 | 62 |
| H Models | | | | | | | |
| 1A | 1 | 6 | 13 | 29 | 38 | 42 | 26 |
| 3A | 1 | 5 | 10 | 22 | 36 | 34 | 36 |
| 6A | 1 | 5 | 14 | 20 | 31 | 33 | 37 |
| 10A | 1 | 4 | 11 | 19 | 32 | 37 | 38 |

110

Catalog 1654001 Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

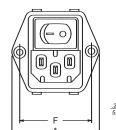
USA Cust_Svc · 1-800-468-2023 CORCOM Prods: 1-847-680-7400 49-89-6089-0 Germany:

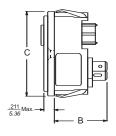
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Switch with IEC Connector Compact Size (Continued)

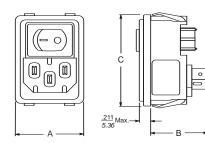
C Series

Case Styles CE, CBE*

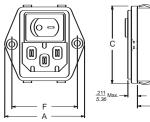


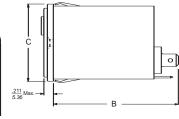


CS, CBS^*

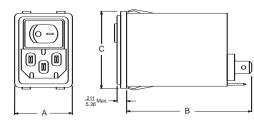


CFE, CHE

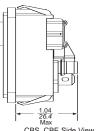




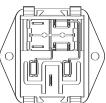
CFS, CHS



Typical Dimensions: Mounting Holes: .13 [*3.3*] Dia. (2) with .23 Dia. x 90° Counter sunk Terminals: .250 [*6.35*] (3) Holes: .07 [*1.8*] Dia. **CBS, CBE Pre-Connected Terminals**







CBS, CBE Side View

CBS Rear View

CBE Rear View

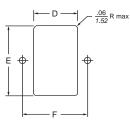
Case Dimensions

| | Α | В | С | D | Е | F |
|----------|---------------|-------|-------|--------------|-------|--------|
| Part No. | (max) | (max) | (max) | <u>±.006</u> | ±.006 | ± .006 |
| | (| (| (| ±.152 | ±.152 | ±.152 |
| CS, CBS | 1.23 | .97 | 1.62 | 1.06 | 1.54 | _ |
| 00, 000 | 31.24 | 24.64 | 41.17 | 26.92 | 39.12 | |
| CE, CBE | 1.74 | .97 | 1.62 | 1.06 | 1.54 | 1.417 |
| OL, ODL | 44.2 | 24.64 | 41.17 | 26.92 | 39.12 | 36.0 |
| CFS, CHS | <u>्</u> 1.23 | 2.53 | 1.62 | 1.12 | 1.54 | _ |
| | 31.24 | 64.26 | 41.17 | 28.5 | 39.12 | |
| CFE, CHE | 1.74 | 2.53 | 1.62 | 1.12 | 1.54 | 1.417 |
| | 44.2 | 64.26 | 41.17 | 28.5 | 39.12 | 36.0 |
| | | | | | | |

Part Numbers

| 1CFS1 3CFS1 6CFS1 | 1CFE1 3CFE1 6CFE1 | 1CHS1 3CHS1 6CHS1 | 1CHE1 3CHE1 6CHE1 |
|-------------------------|-------------------------|-------------------------|-------------------------|
| 10CFS1 | 10CFE1 | 10CHS1 | 10CHE1 |
| 10CS1 | 10CE1 | 10CBS1 | 10CBE1 |

Recommended Panel Cutout



Panel Cutout for thickness of .031-.098 [.8-2.5]. Not recommended for plastic panels. For snap-in applications, the D sides of the cutout must have a .02 [.508] radius on the installation side. Snap-in models allow front mounting only.

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111

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